



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 7

Test Date: March 2008
Code: 11061305
SAU: Milford School Department
School: Dr Lewis S Libby School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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SUMMARY OF SCORES

Test Date: March 2008

Grade: 7

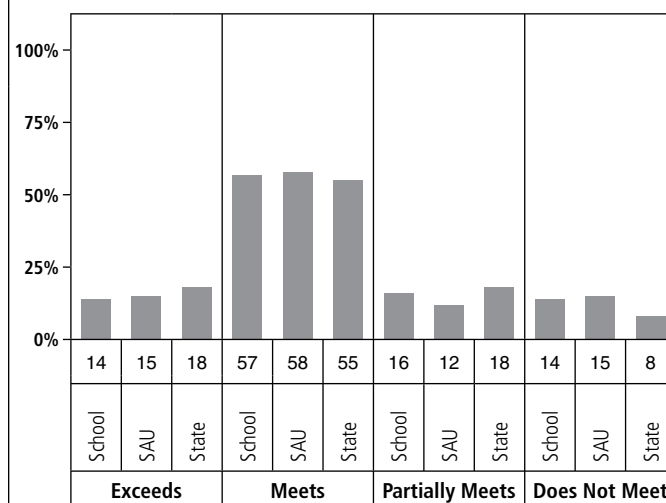
SAU: Milford School Department

School: Dr Lewis S Libby School

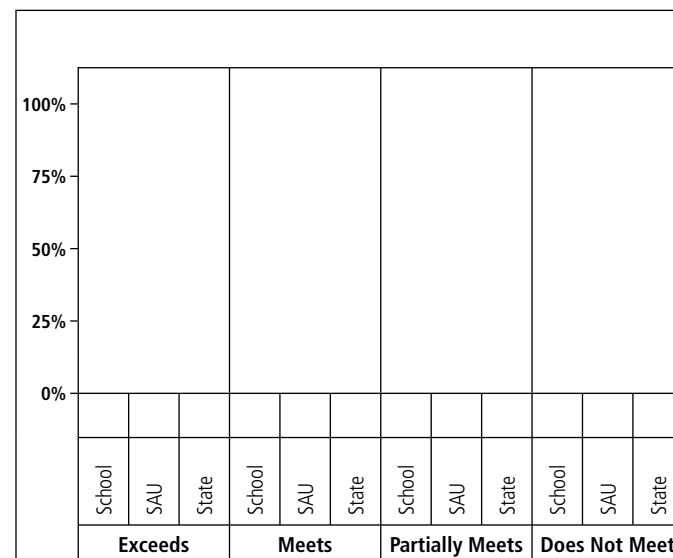
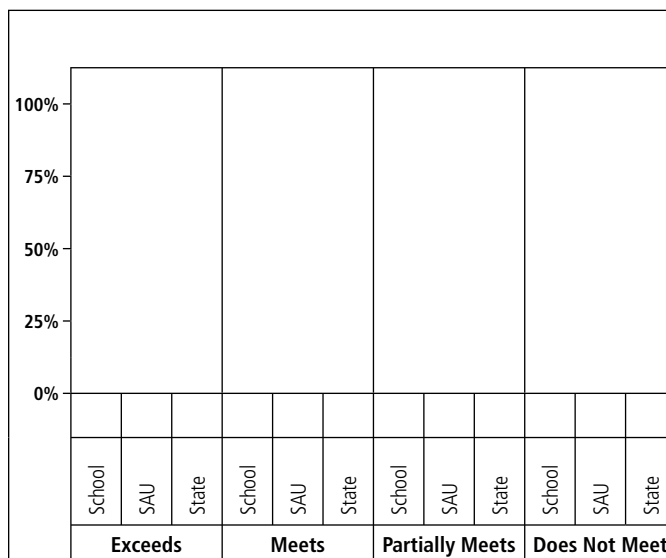
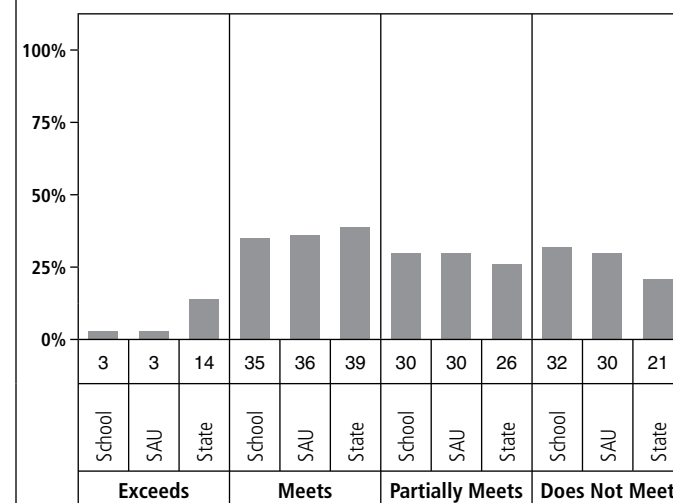
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	743	743	745
2006–2007	742	742	748
2007–2008	748	749	750
Cum. Avg. *	744	744	748
Mathematics			
2005–2006	732	732	740
2006–2007	746	746	742
2007–2008	738	739	743
Cum. Avg. *	738	738	742

ELA – READING



MATHEMATICS



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
 Grade: 7
 SAU: Milford School Department
 School: Dr Lewis S Libby School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							ELA-Reading						Mathematics																	
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	39	100	35	100	14818	100	37	97	33	97	14698	99	37	97	33	97	14694	99												
Ethnicity African American/Black	1	3	1	3	381	3	1	100	1	100	372	98	1	100	1	100	375	99												
American Indian or Native Alaskan	3	8	2	6	113	1	3	100	2	100	112	99	3	100	2	100	112	99												
Asian or Pacific Islander	0	0	0	0	219	1	0	0	0	0	213	97	0	0	0	0	217	99												
Hispanic	2	5	2	6	178	1	2	100	2	100	176	99	2	100	2	100	177	100												
Caucasian/White	33	85	30	86	13927	94	31	97	28	97	13825	99	31	97	28	97	13813	99												
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Identified disability	9	23	8	23	2556	17	8	89	7	88	2508	99	8	89	7	88	2497	98												
Current LEP	0	0	0	0	363	2	0	0	0	0	352	97	0	0	0	0	360	99												
Economically disadvantaged	17	44	14	40	5461	37	15	94	12	92	5408	99	15	94	12	92	5406	99												
Migrant	0	0	0	0	1	0	0	0	0	0	1	100	0	0	0	0	1	100												

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics																	
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	29	74	26	74	12195	82	29	74	26	74	12215	82												
Identified disability (PET/IEP)	1	3	1	4	418	3	1	3	1	4	421	3												
LEP	0	0	0	0	183	2	0	0	0	0	183	1												
504 plan	0	0	0	0	181	1	0	0	0	0	182	1												
Participation with accommodations	8	21	7	20	2320	16	8	21	7	20	2303	16												
Identified disability (PET/IEP)	7	88	6	86	1912	82	7	88	6	86	1900	83												
LEP	0	0	0	0	159	7	0	0	0	0	173	8												
504 plan	0	0	0	0	56	2	0	0	0	0	55	2												
Other	1	13	1	14	244	11	1	13	1	14	226	10												
Participation through alternate assessment (PAAP)	0	0	0	0	178	1	0	0	0	0	176	1												
Identified disability (PET/IEP)	0	0	0	0	178	100	0	0	0	0	176	100												
LEP	0	0	0	0	5	3	0	0	0	0	4	2												
504 plan	0	0	0	0	0	0	0	0	0	0	0	0												
Approved non-participation in reading – 1st year LEP	0	0	0	0	5	0																		
Approved non-participation – special consideration	1	3	1	3	27	0	1	3	1	3	28	0												
Non-participation – other	1	3	1	3	93	1	1	3	1	3	96	1												

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date:	March 2008
Grade:	7
SAU:	Milford School Department
School:	Dr Lewis S Libby School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 761–780)	2005-2006	6	12	5	11	1769	11
	2006-2007	3	8	3	8	2630	18
	2007-2008	5	14	5	15	2604	18
	Cum. Total*	14	11	13	11	7003	16
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 741–760)	2005-2006	25	51	24	51	7521	49
	2006-2007	17	46	17	46	7605	51
	2007-2008	21	57	19	58	8049	55
	Cum. Total*	63	51	60	51	23175	52
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 729–740)	2005-2006	9	18	9	19	3773	24
	2006-2007	10	27	10	27	3000	20
	2007-2008	6	16	4	12	2672	18
	Cum. Total*	25	20	23	20	9445	21
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 700–728)	2005-2006	9	18	9	19	2399	16
	2006-2007	7	19	7	19	1620	11
	2007-2008	5	14	5	15	1190	8
	Cum. Total*	21	17	21	18	5209	12

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	56	100	34.1	60.9	34.6	61.8	35.3	63.0
Literary Text	28	50	16.4	58.6	16.7	59.6	17.3	61.8
Informational Text	28	50	17.7	63.2	17.9	63.9	18.0	64.3

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 7
 SAU: Milford School Department
 School: Dr Lewis S Libby School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	37	5	14	21	57	6	16	5	14	748	33	15	58	12	15	749	14515	18	55	18	8	750
Ethnicity																						
African American/Black	1										1						365	10	49	19	22	742
American Indian or Native Alaskan	3										2						110	6	52	24	18	744
Asian or Pacific Islander	0										0						211	26	47	20	6	752
Hispanic	2										2						173	12	54	18	15	746
Caucasian/White	31	5	16	17	55	6	19	3	10	749	28	18	57	14	11	750	13656	18	56	18	8	750
Not Reported	0										0						0					
Identified disability																						
Yes	8	0	0	3	38	1	13	4	50	734	7	0	29	14	57	732	2330	2	30	36	32	735
No	29	5	17	18	62	5	17	1	3	752	26	19	65	12	4	753	12185	21	60	15	4	753
Current LEP																						
Yes	0										0						342	8	46	22	24	741
No	37	5	14	21	57	6	16	5	14	748	33	15	58	12	15	749	14173	18	56	18	8	750
Economically disadvantaged																						
Yes	15	2	13	6	40	3	20	4	27	741	12	17	33	17	33	741	5299	9	51	26	14	745
No	22	3	14	15	68	3	14	1	5	753	21	14	71	10	5	753	9216	23	58	14	5	753
Migrant																						
Yes	0										0						1					
No	37	5	14	21	57	6	16	5	14	748	33	15	58	12	15	749	14514	18	55	18	8	750
Gender																						
Female	23	4	17	14	61	3	13	2	9	750	21	19	62	10	10	751	7084	24	55	15	6	752
Male	14	1	7	7	50	3	21	3	21	745	12	8	50	17	25	745	7431	12	56	21	11	747
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						946	6	47	34	12	743
No	37	5	14	21	57	6	16	5	14	748	33	15	58	12	15	749	13569	19	56	17	8	750
Gifted/talented program																						
Yes	0										0						574	61	38	1	0	765
No	37	5	14	21	57	6	16	5	14	748	33	15	58	12	15	749	13941	16	56	19	9	749

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008

Grade: 7

SAU: Milford School Department

School: Dr Lewis S Libby School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	5	0	0	0	0	0	0	2	100	714	6	0	0	0	100	714	6	9	42	24	25	741
B. less than one hour	54	3	15	11	55	4	20	2	10	749	48	19	56	13	13	751	50	17	56	19	8	750
C. one to two hours	32	1	8	9	75	1	8	1	8	751	36	8	75	8	8	751	40	20	58	16	6	752
D. more than two hours	8	1	33	1	33	1	33	0	0	752	9	33	33	33	0	752	4	19	49	21	11	749
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	41	1	7	13	87	1	7	0	0	754	39	8	92	0	0	755	36	24	58	14	5	753
B. They match some of what I have learned.	41	4	27	6	40	2	13	3	20	747	42	29	43	7	21	748	50	16	58	19	8	749
C. They match just a little of what I have learned.	5	0	0	1	50	0	0	1	50	737	3	0	0	0	100	728	11	13	45	26	16	745
D. There is no match.	14	0	0	1	20	3	60	1	20	738	15	0	20	60	20	738	3	4	35	29	31	737
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	14	1	20	4	80	0	0	0	0	756	12	25	75	0	0	759	28	35	52	9	5	756
B. good	62	4	17	13	57	3	13	3	13	749	64	19	57	10	14	750	52	15	60	18	7	750
C. fair	24	0	0	4	44	3	33	2	22	740	24	0	50	25	25	741	18	3	49	33	15	742
D. poor	0										0						2	2	41	28	29	738
How difficult was the reading part of this test?																						
A. harder than my regular schoolwork	8	1	33	1	33	0	0	1	33	749	9	33	33	0	33	749	16	13	48	23	16	745
B. about the same as my regular schoolwork	72	3	12	15	58	5	19	3	12	747	69	14	59	14	14	748	65	18	57	18	7	750
C. easier than my regular schoolwork	19	1	14	5	71	1	14	0	0	755	22	14	71	14	0	755	19	21	57	16	6	752
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	14	0	0	0	0	2	40	3	60	729	15	0	0	40	60	729	9	5	38	29	28	738
B. Most of the passages were about the same as what I normally read.	59	2	9	14	64	4	18	2	9	747	55	11	67	11	11	748	55	14	57	22	7	748
C. Most of the passages were easier than what I normally read.	27	3	30	7	70	0	0	0	0	759	30	30	70	0	0	759	36	28	58	10	4	755
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	54	3	15	13	65	2	10	2	10	751	52	18	65	6	12	752	44	18	56	18	8	750
B. I tried about the same as I do on my regular schoolwork.	35	2	15	8	62	2	15	1	8	750	36	17	67	8	8	751	51	19	56	17	7	751
C. I did not try as hard on this test as I do on my regular schoolwork.	11	0	0	0	0	2	50	2	50	727	12	0	0	50	50	727	5	9	46	26	19	743
How much time do you spend reading at home each day?																						
A. more than one hour	22	1	13	7	88	0	0	0	0	754	21	14	86	0	0	755	17	25	57	13	6	753
B. 20 minutes to an hour	24	0	0	7	78	1	11	1	11	747	27	0	78	11	11	747	45	22	56	16	6	752
C. less than 20 minutes	16	2	33	2	33	2	33	0	0	753	15	40	40	20	0	756	13	14	56	21	9	748
D. I rarely read at home.	38	2	14	5	36	3	21	4	29	743	36	17	33	17	33	743	24	8	53	26	13	745
Optional school/SAU question																						
A.	83	5	17	18	60	4	13	3	10	750	94	17	60	13	10	750						
B.	6	0	0	1	50	0	0	1	50	739	3	0	0	0	100	728						
C.	8	0	0	1	33	2	67	0	0	740	0											
D.	3	0	0	0	0	0	0	1	100	712	3	0	0	0	100	712						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

N = Number

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 7
SAU: Milford School Department
School: Dr Lewis S Libby School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 761–780)	2005-2006	0	0	0	0	1646	11
	2006-2007	7	19	7	19	2142	14
	2007-2008	1	3	1	3	2028	14
	Cum. Total*	8	7	8	7	5816	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 741–760)	2005-2006	20	41	19	40	5497	36
	2006-2007	15	41	15	41	5642	38
	2007-2008	13	35	12	36	5703	39
	Cum. Total*	48	39	46	39	16842	38
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 727–740)	2005-2006	10	20	9	19	4514	29
	2006-2007	13	35	13	35	4077	27
	2007-2008	11	30	10	30	3733	26
	Cum. Total*	34	28	32	27	12324	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 700–726)	2005-2006	19	39	19	40	3797	25
	2006-2007	2	5	2	5	3001	20
	2007-2008	12	32	10	30	3054	21
	Cum. Total*	33	27	31	26	9852	22

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	16	29	7.6	47.5	7.8	48.8	8.8	55.0
Cluster 2: Shape and Size	14	25	4.4	31.4	4.5	32.1	5.5	39.3
Cluster 3: Mathematical Decision Making	8	14	3.7	46.3	3.8	47.5	3.5	43.8
Cluster 4: Patterns	18	32	6.8	37.8	6.9	38.3	7.9	43.9

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
Grade: 7
SAU: Milford School Department
School: Dr Lewis S Libby School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	37	1	3	13	35	11	30	12	32	738	33	3	36	30	30	739	14518	14	39	26	21	743
Ethnicity																						
African American/Black	1										1						372	5	24	25	45	731
American Indian or Native Alaskan	3										2						110	5	30	36	29	736
Asian or Pacific Islander	0										0						216	25	34	23	18	748
Hispanic	2										2						175	9	32	30	29	737
Caucasian/White	31	1	3	12	39	10	32	8	26	741	28	4	39	32	25	741	13645	14	40	26	20	743
Not Reported	0										0						0					
Identified disability																						
Yes	8	0	0	1	13	1	13	6	75	723	7	0	14	14	71	723	2321	2	16	26	55	727
No	29	1	3	12	41	10	34	6	21	742	26	4	42	35	19	743	12197	16	44	26	15	746
Current LEP																						
Yes	0										0						356	7	23	24	45	731
No	37	1	3	13	35	11	30	12	32	738	33	3	36	30	30	739	14162	14	40	26	20	743
Economically disadvantaged																						
Yes	15	0	0	3	20	6	40	6	40	730	12	0	17	50	33	730	5301	5	31	31	33	736
No	22	1	5	10	45	5	23	6	27	743	21	5	48	19	29	744	9217	19	44	23	14	747
Migrant																						
Yes	0										0						1					
No	37	1	3	13	35	11	30	12	32	738	33	3	36	30	30	739	14517	14	39	26	21	743
Gender																						
Female	23	0	0	8	35	6	26	9	39	737	21	0	38	29	33	739	7086	14	40	26	20	743
Male	14	1	7	5	36	5	36	3	21	740	12	8	33	33	25	739	7432	14	38	25	22	743
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						946	4	23	36	37	733
No	37	1	3	13	35	11	30	12	32	738	33	3	36	30	30	739	13572	15	40	25	20	743
Gifted/talented program																						
Yes	0										0						575	64	31	3	1	765
No	37	1	3	13	35	11	30	12	32	738	33	3	36	30	30	739	13943	12	40	27	22	742

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008

Grade: 7

SAU: Milford School Department

School: Dr Lewis S Libby School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	5	0	0	0	0	0	0	2	100	712	6	0	0	0	100	712	6	7	29	26	37	734
B. less than one hour	54	1	5	9	45	5	25	5	25	742	48	6	50	25	19	744	50	13	39	26	22	742
C. one to two hours	32	0	0	4	33	3	25	5	42	737	36	0	33	25	42	737	40	15	42	26	17	744
D. more than two hours	8	0	0	0	0	3	100	0	0	734	9	0	0	100	0	734	4	16	37	23	24	742
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	14	1	20	2	40	1	20	1	20	749	12	25	50	0	25	752	32	21	40	23	16	747
B. They match some of what I have learned.	51	0	0	9	47	6	32	4	21	743	52	0	47	35	18	743	50	12	42	27	19	743
C. They match just a little of what I have learned.	32	0	0	2	17	4	33	6	50	729	33	0	18	36	45	730	15	7	32	31	30	737
D. There is no match.	3	0	0	0	0	0	0	1	100	700	3	0	0	0	100	700	3	4	17	21	58	726
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	14	1	20	2	40	2	40	0	0	752	12	25	50	25	0	756	25	34	42	13	11	753
B. good	51	0	0	9	47	4	21	6	32	739	52	0	47	24	29	740	47	10	45	27	18	743
C. fair	30	0	0	2	18	5	45	4	36	733	30	0	20	50	30	734	23	3	30	36	32	735
D. poor	5	0	0	0	0	0	0	2	100	719	6	0	0	0	100	719	5	1	17	32	49	729
How difficult was the mathematics part of this test?																						
A. harder than my regular schoolwork	56	0	0	6	30	6	30	8	40	736	56	0	33	33	33	738	36	6	38	29	27	738
B. about the same as my regular schoolwork	39	0	0	7	50	4	29	3	21	741	38	0	50	25	25	739	53	13	42	27	18	744
C. easier than my regular schoolwork	6	1	50	0	0	1	50	0	0	754	6	50	0	50	0	754	11	40	32	15	13	753
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	54	0	0	7	35	5	25	8	40	735	55	0	39	28	33	736	46	12	40	27	21	742
B. I tried about the same as I do on my regular schoolwork.	41	1	7	6	40	5	33	3	20	744	39	8	38	31	23	743	49	16	40	25	19	744
C. I did not try as hard on this test as I do on my regular schoolwork.	5	0	0	0	0	1	50	1	50	729	6	0	0	50	50	729	5	10	27	27	36	736
How often do you use laptops in mathematics class?																						
A. almost every day	8	0	0	1	33	1	33	1	33	731	9	0	33	33	33	731	9	15	37	25	23	742
B. two or three days a week	14	0	0	1	20	2	40	2	40	734	12	0	25	50	25	737	20	13	41	26	20	743
C. two or three times each month	43	0	0	6	38	4	25	6	38	738	42	0	36	29	36	738	30	15	40	27	18	744
D. never or almost never	35	1	8	5	38	4	31	3	23	741	36	8	42	25	25	741	41	13	39	26	23	742
How often do you use calculators in mathematics class?																						
A. almost every day	73	1	4	10	37	8	30	8	30	740	73	4	38	29	29	740	20	17	39	23	22	744
B. two or three days a week	19	0	0	3	43	2	29	2	29	738	21	0	43	29	29	738	29	16	40	25	19	744
C. two or three times a month	8	0	0	0	0	1	33	2	67	721	6	0	0	50	50	721	26	13	40	28	20	743
D. never or almost never	0										0						24	10	39	27	24	740
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	11	0	0	0	0	1	25	3	75	720	12	0	0	25	75	720	8	7	32	26	35	736
B. 30–45 minutes	24	0	0	2	22	4	44	3	33	737	18	0	17	50	33	736	41	12	38	27	23	741
C. 45–60 minutes	57	1	5	10	48	5	24	5	24	743	61	5	50	25	20	744	41	17	42	24	16	745
D. more than 60 minutes	8	0	0	1	33	1	33	1	33	733	9	0	33	33	33	733	10	15	38	25	22	743
Optional school/SAU question																						
A.	83	1	3	11	37	10	33	8	27	739	94	3	37	33	27	739						
B.	6	0	0	1	50	0	0	1	50	742	3	0	0	0	100	726						
C.	8	0	0	0	0	1	33	2	67	725	0											
D.	3	0	0	0	0	0	0	1	100	712	3	0	0	0	100	712						

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